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COQC SCholar polyacene pore surface area electrode

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Principles and applications of electrochemical capacitors- *psi.ch | POFI

R Kötz, M Carlen - Electrochimica Acta, 2000 - Elsevier

... above values depend on the double layer capacitance, the specific surface area of the respective **electrode** material, the wetting behavior of the **pores**, and on ...

Cited by 586 - Related articles - BL Direct - All 6 versions

... of the double-layer capacitance of an high specific-area C-cloth electrode as titrated from ...

HA Andreas, BE Conway - Electrochimica Acta, 2006 - Elsevier

... formed from pyrolyzed organic polymers (eg polyacene-based polymers ... much finer mesopores (with average **pore** radius of ... since it has a high **surface area** and good ...

Cited by 15 - Related articles - All 5 versions

Porous article having open **pores** prepared from aromatic condensation polymer and use ...

S Yata, Y Hato, T Osaki, K Sakurai - US Patent 4,753,717, 1988 - Google Patents

... an insoluble and infusible substrate with a **polyacene**-type skeletal ... 0.05 to 0.50,

a specific surface area, measured by ... m2/g and containing open pores having an ...

Cited by 4 - Related articles - All 4 versions

Fibril composite **electrode** for electrochemical capacitors

C Niu - US Patent App. 09/797,528, 2001 - Google Patents

... of activated carbon/polyacene are com ... based electrodes exhibited narrow pore size distribution, high accessible surface area, controllable density ...

Cited by 7 - Related articles - All 8 versions

ICITATIONI Effect of cation concentration on electrorheological activity of amorphous alumino-silicates

AW Schubring, FE Filisko - Progress in Electrorheology: Science and Technology of ..., 1995 - Plenum Publishing Corporation

Cited by 2 - Related articles - All 2 versions

[PDF] New materials and new configurations for advanced electrochemical capacitors

HE Density, R Oxídes - Electrochemical Society Interface, 2008 - electrochem.org

... carbon materials are made by fine pore-size control ... Nano-decoration has been attempted on high surface area CNTs with ... with lithium ions) AC or polyacene as the ...

Cited by 2 - Related articles - View as HTML - BL Direct - All 2 versions

... of the electronic conductivity of carbon molecular sieve electrodes on their charging ...

E Pollak, I Genish, G Salitra, A Soffer, L Klein ... - J. Phys. Chem. B, 2006 - pubs.acs.org

... electroadsorption, and the carbon **pores** are sufficiently ... charge near the carbon's

surface (electrode's side) by ... Taguchi, T.; Kinoshita, H. Polyacene Capacitors ...

Cited by 1 - Related articles - BL Direct - All 11 versions

Electrode and electrochemical device using the same

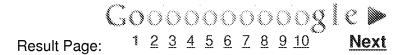
T Suzuki - US Patent App. 11/322,228, 2006 - Google Patents ... carbon black, carbon fibers, and **polyacene**; and metal ... electric capacitance cannot adhere to the fine **pores**. ... Accordingly, if the specific **surface area** of the ... All 2 versions

Effect of **surface** fluorination and conductive additives on the electrochemical behavior of ...

T Nakajima, A Ueno, T Achiha, Y Ohzawa, M ... - Journal of Fluorine Chemistry, 2009 - Elsevier ... 19] and Li 4/3 Ti 5/3 O 4 /polyacene composite [20 ... reactions usually occur at the surface of a solid electrode, surface area, surface pore size distribution and ... Related articles

Porous **electrodes**, devices including the porous **electrodes**, and methods for their ...

R Kuroda, A Takata - US Patent App. 11/174,527, 2005 - Google Patents ... area such as carbon black and **polyacene** are also ... carbon powder having a high specific surface area and a ... film (A) must have through **pores** (spaces) extending ... All 4 versions



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